6. The vinyl ether compound according to claim 9 having the structure:

$$R^{2} \xrightarrow{R^{1}} Q \xrightarrow{H} H \xrightarrow{H} H \xrightarrow{H} H \xrightarrow{H} Q \xrightarrow{R^{1}} R^{2}$$

in which

R¹, R², and R³ are independently hydrogen, a methyl group, or an ethyl group;

Q is a linear or branched chain alkyl or cycloalkyl having 1 to 12 carbon atoms; an alkylenoxy chain having 1 to 12 carbon atoms, or aromatic or fused aromatic ring having 3 to 10 carbon atoms and optionally containing the heteroatoms O, N or S;

Z is a branched or linear alkane, which may contain cyclic moieties, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyether, a polyether, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic, or heteroaromatic group.

7. The vinyl ether compound according to claim 9 having the structure

in which C₃₆ is a mixture of isomers of a 36 carbon linear or branched chain.



9. A vinyl ether compound having the structure:

$$\begin{bmatrix} R^3 & O \\ R^1 & R^1 \end{bmatrix}_{n}^{Z}$$

in which

n is 1 to 6;

R¹, R², and R³ are hydrogen, methyl or ethyl;

Q is a linear or branched chain alkyl or cycloalkyl having 1 to 12 carbon atoms; an alkylenoxy chain having 1 to 12 carbon atoms, or aromatic or fused aromatic ring having 3 to 10 carbon atoms and optionally containing the heteroatoms O, N or S;

Z is a branched or linear alkane, which may contain cyclic moieties, a siloxane, a polysiloxane, a C_1 to C_4 alkoxy-terminated siloxane or polysiloxane, a polyether, a polyether, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic, or heteroaromatic group.

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